02-10-2025 AD Trigger Update

Max Cohen



Reference:







HLT performance studies

- I tried many training runs for the HLT network
- Different seeding schemes, object types
- Different hyperparameters
 - Learning rate, dropout percentage, L2 regularization coupling, latent space dimension
- For each run, train 5 models to evaluate performance
- Also calculate efficiency over 5 different PhysMain runs, as well as 1 PhysMain run with the GRL inverted (only bad LBs)





HLT objects, seeded by L1AD







HLT objects, seeded by L1AD







HLT objects, seeded by L1AD

(E+F) / (B+C)







Larger Latent Space

(E) / (F+G)







Max Cohen

Larger initial learning rate

(E) / (F+G)



Unfortunately, the outlier points here are not from the same model...



